

Switchee-enabled Revive 7 fan

Pairing instructions

Revision 1



Overview

These instructions explain how to pair a Switchchee display to a Switchchee-enabled Vent-Axia Revive 7 fan, enabling fan data to be viewed remotely in the Switchchee platform.

Before attempting to pair, you first need to:

1. Install and commission the Switchchee-enabled Vent-Axia Revive 7 fan as described in its Installation and Wiring Instructions ([see vent-axia.com/range/lo-carbon-revive-7-switchchee-enabled](https://vent-axia.com/range/lo-carbon-revive-7-switchchee-enabled)).
2. Install the Switchchee display as described in its Installation Guide ([see switchchee.com/installer](https://switchchee.com/installer)).



WARNING:

Risk of electrical shock. Pairing should only be carried out by an electrically competent person.

The latest version of these instructions can always be found at switchchee.com/install-revive7.

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What you need

1. A Switchchee display (running firmware v3.4.0 or newer). If your Switchchee display firmware is older than 3.4.0 then contact Switchchee Support on 0800 133 7957.
2. A Switchchee-enabled Vent-Axia Revive 7 fan (it must be the "Switchchee-enabled" model).

How to pair

Once both the Switchchee-enabled Vent-Axia Revive 7 fan and the Switchchee display are fully wired in and powered up, you need to pair them to enable wireless communication. No fan data will be sent to the Switchchee Portal until pairing is completed.

First you should set the Switchchee up for pairing. Second you then set up the Vent-Axia Revive 7.

1) Set Switchchee up for pairing



1. On the Switchchee, press the spanner icon to access **Settings**.
2. Navigate to the **Admin** sub-menu and enter **0123** when prompted for a PIN.
3. Select the **Z-Wave Sensors** option on the Admin screen.



4. Select the **Pair / Unpair Sensors** option.



5. On the Pair / Unpair Sensors screen, select the **Pair new sensor** option.



6. The Switchchee will now enter "**pairing mode**" for **2 minutes**, so head straight over to your Vent-Axia fan to continue pairing.

2) Pair the Vent-Axia Revive 7 fan



WARNING: Risk of electrical shock. The outer casing of the fan should only be removed by an electrically competent person. Appropriate precautions should be taken as live mains wiring may be exposed.



Accessing the commissioning menu:

1. To pair the fan, first remove the outer casing to expose the control board. It is safest to do this with the fan powered off.
2. Once you have removed the case, power the fan back ON. The LED should be blue.
3. Hold down the **+** and **x** buttons for 5 seconds to enter pairing mode. The LED will begin to flash green.

NOTE: The Switchchee will need to be in pairing mode before you do this, see section (1) above.



4. Upon successful pairing, the fan LED will change from flashing green to solid green and the Switchchee will display a message showing "**Pairing successful**".



5. On the Switchchee, press '**Configure sensor**' and select the room the fan is being installed in using the ">" arrow. Press '**Set**' when you have the correct location on screen.

6. **Pairing is now complete.**

Viewing fan settings on the Switchchee

You can view settings and data from the fan on the Switchchee screen to confirm that everything is working correctly..



1. On the Switchchee, press the spanner icon to access **Settings**.

2. Navigate to the **Admin** sub-menu and enter **0123** when prompted for a PIN.

3. Select the **Z-Wave Sensors** option on the Admin screen.

4. Select **Manage Sensors**.



5. The Manage Sensors screen includes information about all paired sensors. Use the > arrow to switch between sensors until the fan (**ventilation** device) is shown.

6. The **Configure** button allows you to update the location of the fan to a new room.

7. The **Readings** button allows you to view the most recent data received from the fan. Its data will be displayed across two pages (use **Next** and **Previous** to move between pages).



Last comms	Timestamp of last reading received by Switchchee from the fan
TRS	Trickle run speed setting (in L/s)
Total Energy	Total energy consumed by the fan (in KWh)
Total RT	Total run time
TRT	Trickle run time (time spent in trickle mode)
BRT	Boosted run time (time spent in manual boost mode)
HBRT	Humidity Boost run time (time spent in automatic humidity boost mode)
24hr Energy	Energy consumed by the fan in the last 24 hours (KWh)
Temperature	Current air temperature (in °C)
Humidity	Current relative humidity

Unpairing the Switchee & Revive 7 fan

You may wish to unpair a Switchee and fan because one unit or the other is to be replaced or moved to another property, or as a part of trouble-shooting.

Important: Both units must be unpaired before the units can be successfully paired up again. A paired fan will have a solid green status LED below its multi-segment display.

To unpair a fan and Switchee, you first put the Switchee into unpairing mode and then ask the fan to unpair.

1) Get the Switchee ready to unpair



1. On the Switchee, press the spanner icon to access **Settings**.
2. Navigate to the **Admin** sub-menu and enter **0123** when prompted for a PIN.
3. Select the **Z-Wave Sensors** option on the Admin screen.
4. Select the **Pair / Unpair Sensors** option.



5. Select **Unpair existing sensor**. This will instruct the Switchee to enter "unpairing mode" for 2 minutes.



2) Now unpair the Vent-Axia fan



1. Open up the fan to access the control board as described above, taking note of the warnings. The LED should be green, indicating a paired fan. If the LED is blue, the fan is already unpaired.

NOTE: The Switchchee must already be in unpairing mode, as described in the section above.

2. Hold down the **+** and **×** buttons on the control board for 5 seconds to enter unpairing mode. The LED will begin to flash green.

3. The Switchchee will now unpair the fan. Successful completion will be confirmed on the Switchchee screen.

4. At this stage the Switchchee and the fan will no longer communicate with each other. No further fan data will be reported to the Switchchee Portal.

Revive 7 Status LED colours

The LED below the multi-segment display on the Revive 7 control board indicates its pairing state:

Colour	Meaning
Blue / white	Not paired
Solid green	Paired to a Switchchee
Flashing green	In pairing / unpairing mode
Red	The Switchchee plug-in board is not responding.
	Fixing: Try turning power to fan off and then on again and confirm that the Switchchee (ZWave) board is firmly plugged into the fan. If the red light persists, the Switchchee board may need to be replaced.